# Refine Search

**Search Results -**

| Terms | Documents |
|---|---|
| overflow same data same bus same (alter$3 or change$3) same mode | 63 |

**Database:**
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
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**Search:** L1

Refine Search

Recall Text | Clear | Interrupt

## Search History

**DATE: Friday, June 23, 2006** Printable Copy Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|---|---|---|---|
| *DB=PGPB,USPT,USOC; PLUR=YES; OP=OR* | | | |
| L1 | overflow same data same bus same (alter$3 or change$3) same mode | 63 | L1 |

END OF SEARCH HISTORY

# Refine Search

**Search Results -**

| Terms | Documents |
|---|---|
| overflow same data same bus same (alter$3 or change$3) same mode | 11 |

**Database:**
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**Search:** L2

Refine Search

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## Search History

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| *DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR* | | | |
| L2 | overflow same data same bus same (alter$3 or change$3) same mode | 11 | L2 |
| *DB=PGPB,USPT,USOC; PLUR=YES; OP=OR* | | | |
| L1 | overflow same data same bus same (alter$3 or change$3) same mode | 63 | L1 |

END OF SEARCH HISTORY

# Refine Search

**Search Results -**

| Terms | Documents |
|---|---|
| L1 same (control$4 near10 flow) | 6 |

**Database:**
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**Search:** L4

Refine Search

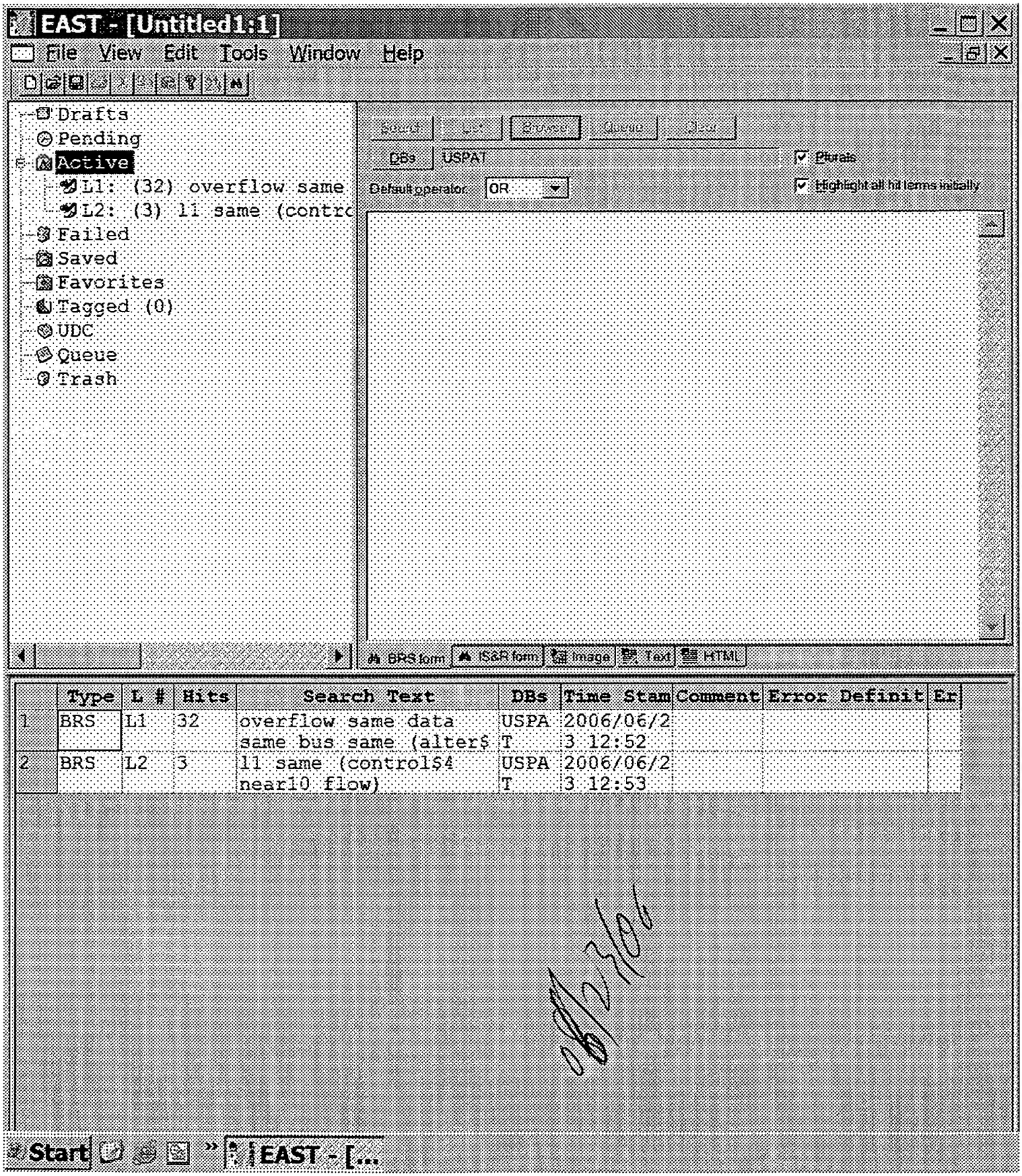
Recall Text Clear Interrupt

## Search History

**DATE: Friday, June 23, 2006** Printable Copy Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|---|---|---|---|
| *DB=PGPB,USPT,USOC; PLUR=YES; OP=OR* | | | |
| L4 | l1 same (control$4 near10 flow) | 6 | L4 |
| L3 | l1 same (control$4 near5 flow) | 6 | L3 |
| *DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR* | | | |
| L2 | overflow same data same bus same (alter$3 or change$3) same mode | 11 | L2 |
| *DB=PGPB,USPT,USOC; PLUR=YES; OP=OR* | | | |
| L1 | overflow same data same bus same (alter$3 or change$3) same mode | 63 | L1 |

END OF SEARCH HISTORY


EAST - [Untitled1:1]
File View Edit Tools Window Help
Drafts
Pending
Active
L1: (32) overflow same
L2: (3) 11 same (contro
Failed
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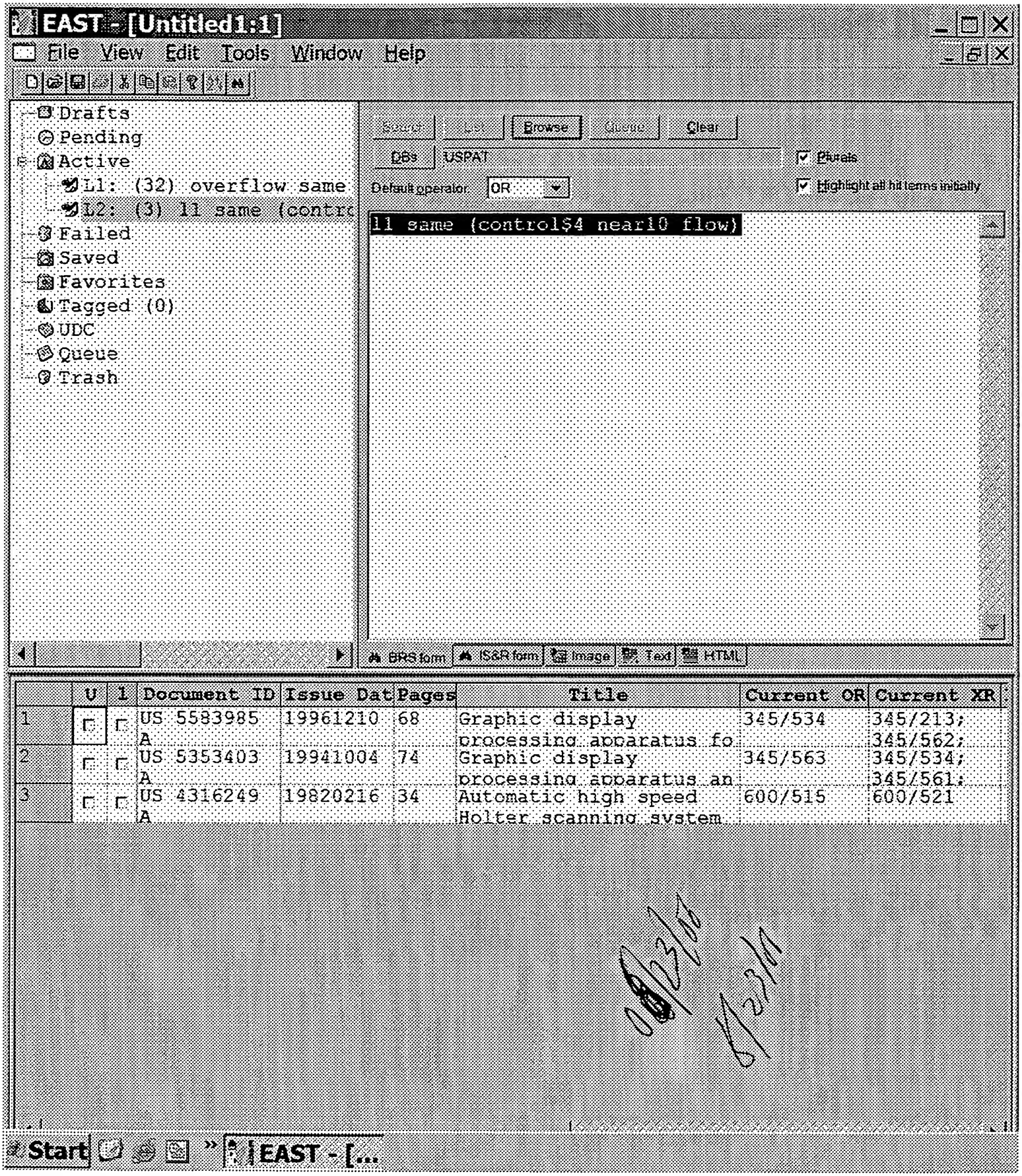
Edit
Browse
Queue
Clear
DBs
USPAT
Plurals
Default operator:
OR
Highlight all hit terms initially
BRS form
IS&R form
Image
Text
HTML
Type L # Hits Search Text DBs Time Stam Comment Error Definit Er
1 BRS L1 32 overflow same data same bus same (alter$ USPA T 2006/06/2 3 12:52
2 BRS L2 3 11 same (control$4 near10 flow) USPA T 2006/06/2 3 12:53
Start
EAST - [...


EAST - [Untitled1:1]
File View Edit Tools Window Help
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OR
Highlight all hit terms initially
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BRS form
IS&R form
Image
Text
HTML
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Document ID
Issue Dat
Pages
Title
Current OR
Current XR
1
US 5583985 A
19961210
68
Graphic display processing apparatus fo
345/534
345/213; 345/562;
2
US 5353403 A
19941004
74
Graphic display processing apparatus an
345/563
345/534; 345/561;
3
US 4316249 A
19820216
34
Automatic high speed Holter scanning system
600/515
600/521
Start
EAST - [...

Results for "( ( overflow<in>metadata ) <and> ( data<in>metadata ) )<and> ( bus<in>..."

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Your search matched **1** of **1360403** documents.

A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

Modify Search

( ( overflow<in>metadata ) <and> ( data<in>metadata ) )<and> ( bus<in>metadata ) Search

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

| | |
|---|---|
| IEEE JNL | IEEE Journal or Magazine |
| IEE JNL | IEE Journal or Magazine |
| IEEE CNF | IEEE Conference Proceeding |
| IEE CNF | IEE Conference Proceeding |
| IEEE STD | IEEE Standard |

view selected items Select All Deselect All

1. **Wireless video coding system demonstration**
   Villasenor, J.; Jain, R.; Belzer, B.; Boring, W.; Chien, C.; Jones, C.; Liao, J.; Molloy, S.; Nazareth, S.; Schoner, B.; Short, J.;
   Data Compression Conference, 1995. DCC '95. Proceedings
   28-30 March 1995 Page(s):448
   Digital Object Identifier 10.1109/DCC.1995.515558
   AbstractPlus | Full Text: PDF(116 KB) IEEE CNF
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# Wireless video coding system demonstration

Villasenor, J., Jain, R., Belzer, B., Boring, W., Chien, C., Jones, C., Liao, J., Molloy, S., Nazareth, S., Schoner, B., Short, J.
Dept. of Electr. Eng., California Univ., Los Angeles, CA, USA;

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Publication Date: 28-30 March 1995
On page(s): 448
Meeting Date: 03/28/1995 - 03/30/1995
Location: Snowbird, UT
INSPEC Accession Number:5086214
Digital Object Identifier: 10.1109/DCC.1995.515558
Posted online: 2002-08-06 20:02:26.0

Abstract
Summary form only given. We have developed and present here a prototype point-to-point wireless video system that has been implemented using a combination of commercial components and custom hardware. The coding algorithm being used consists of subband decomposition using low-complexity, integer-coefficient filters, scalar quantization, and run-length and entropy coding. The prototype system consists of the following major components: spread spectrum radio with interface card and driver, compression board, and an NEC laptop and docking station which provide the PC **bus** slots and control. The compression algorithms are implemented on a board with a single 10000-gate FPGA. Prior to implementing the algorithms in hardware, a study was performed to resolve issues of word length and scaling, and to select quantization and run length parameters. It was determined that 16-bit precision in the wavelet transform stage is sufficient to prevent under-low and **overflow** provided that rescaling of **data** is correctly performed. After processing by the FPGA, the compressed video is transferred to the PC for transmission over the radio. A commercial serial card (PI Card) provides a synchronous serial interface to the radio. The serial controller chip used by this card supports several serial protocols and thus the effect of the these protocols on the **data** in a wireless environment can be tested

Index Terms
**Inspec**

**Controlled Indexing**
digital filters entropy codes laptop computers microcomputer applications quantisation (signal) runlength codes spread spectrum communication telecommunication computing telecommunication control video coding

**Non-controlled Indexing**
16 bit FPGA NEC laptop PC bus control PC bus slots coding algorithm compression board docking station driver entropy coding integer-coefficient filters interface card point-to-point wireless video system run-length coding scalar quantization scaling serial controller chip spread spectrum radio subband decomposition synchronous serial interface system demonstration wireless video coding word length

**Author Keywords**
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References

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Citing Documents

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